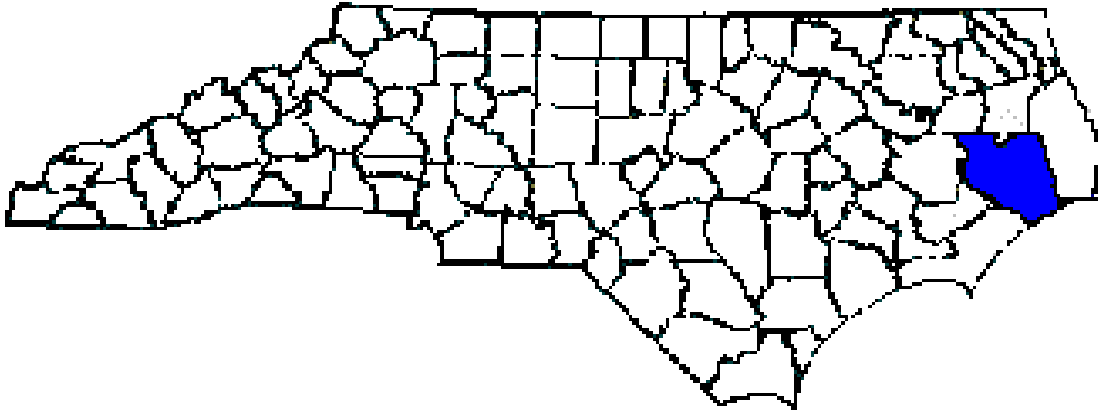


# ANNUAL REPORT FOR 2008



**Kitty Creek & Wallace Canal**  
**Hyde County**  
**TIP No. B-3348**  
**CAMA permit No. 100-04**



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July 2008

## TABLE OF CONTENTS

SUMMARY .....	1
1.0 Introduction .....	2
.1 Project Description .....	2
.2 Purpose .....	2
.3 Project History .....	2
2.0 Vegetation: .....	3
.1 Success Criteria .....	3
.2 Description of Species.....	3
.3 Results of Vegetation Monitoring .....	3
.4 Conclusions. ....	3
3.0 Overall Conclusions and Recommendations .....	3

## FIGURES

Figure 1 – Site Location Map .....	4
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## APPENDICES

Appendix A – Site Photos

## **SUMMARY**

The Kitty Creek & Wallace Canal Mitigation Site (B-3348) is located in Hyde County. The site was planted in May 2008 and was designed as wetland mitigation for impacts associated with bridge project B-3348.

The North Carolina Department of Transportation (NCDOT) will mitigate the project impacts by restoring 0.26 acres of wetlands associated with the causeway removal and bridge replacement for this project. Approximately 0.64 acres of wetlands will be restored at this project location with 0.26 acres being utilized for this project and another 0.14 acres being utilized for TIP No. B-3349 (Action I.D. #200411264). The restoration area was re-vegetated with native brackish marsh plant species. Hydrologic monitoring is not required for this project; however vegetation monitoring is required for five years.

After the first year of monitoring, the Kitty Creek & Wallace Canal Mitigation Site shows by visual observation that the restoration area is re-attaining wetland jurisdictional status and marsh species planted in the wetland restoration area are surviving in the planted areas.

NCDOT proposes to continue vegetation monitoring of the Kitty Creek & Wallace Canal Mitigation Site.

## **1.0 INTRODUCTION**

### **1.1 Project Description**

The Kitty Creek & Wallace Canal Mitigation Site is located at Bridge No's. 52 and 54 on US 264 over Kitty Creek and Wallace Canal (Figure 1). The site consists of approximately 0.64 acres of mitigation.

### **1.2 Purpose**

In order for a mitigation site to be considered successful, the site must meet visual success criteria for five years. The 2008 report details the first year of visual monitoring at the Kitty Creek & Wallace Canal Mitigation Site. Hydrologic monitoring was not required for the site.

### **1.3 Project History**

April 2008	Phragmites Treated
May 2008	Site Planted
July 2008	Visual Monitoring (1 year)

## **2.0 VEGETATION: KITTY CREEK & WALLACE CANAL MITIGATION SITE (YEAR 1 MONITORING)**

### **2.1 Success Criteria**

NCDOT shall monitor the restoration site by visual observation and photo points for survival. The site success will be evaluated to assess whether at least 75% of the area is covered with the target vegetation. NCDOT shall monitor the site for a five years or until the site is deemed successful. Monitoring will be initiated upon completion of the site planting.

### **2.2 Description of Species**

The following tree species were planted in the Wetland Reforestation area:

*Juncus roemerianus*, Black Needlerush

*Spartina patens*, Salt Meadow Cordgrass

*Spartina cynosuroides*, Big Cordgrass

### **2.3 Results of Vegetation Monitoring**

The wetland restoration area is re-attaining jurisdictional status and the planted species are surviving in the planted areas.

**Site Notes:** Other species noted: cattails, glasswort, *Scripus robustus*, *Baccharis* sp., marsh-elder, ragweed, *Spartina alterniflora*, phragmites, and various other grasses. The phragmites that was noted on site prior to the site being planted was treated on April 18, 2008.

### **2.4 Conclusions**

There were approximately 0.64 acres total of wetland restoration on site. There were no plots established on the site. By visual observation, the Kitty Creek & Wallace Canal Mitigation Site shows that the planted species are surviving in the planted areas and that the restoration area is re-attaining wetland jurisdictional status.

## **3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS**

NCDOT proposes to continue vegetation monitoring at the Kitty Creek & Wallace Mitigation Site.

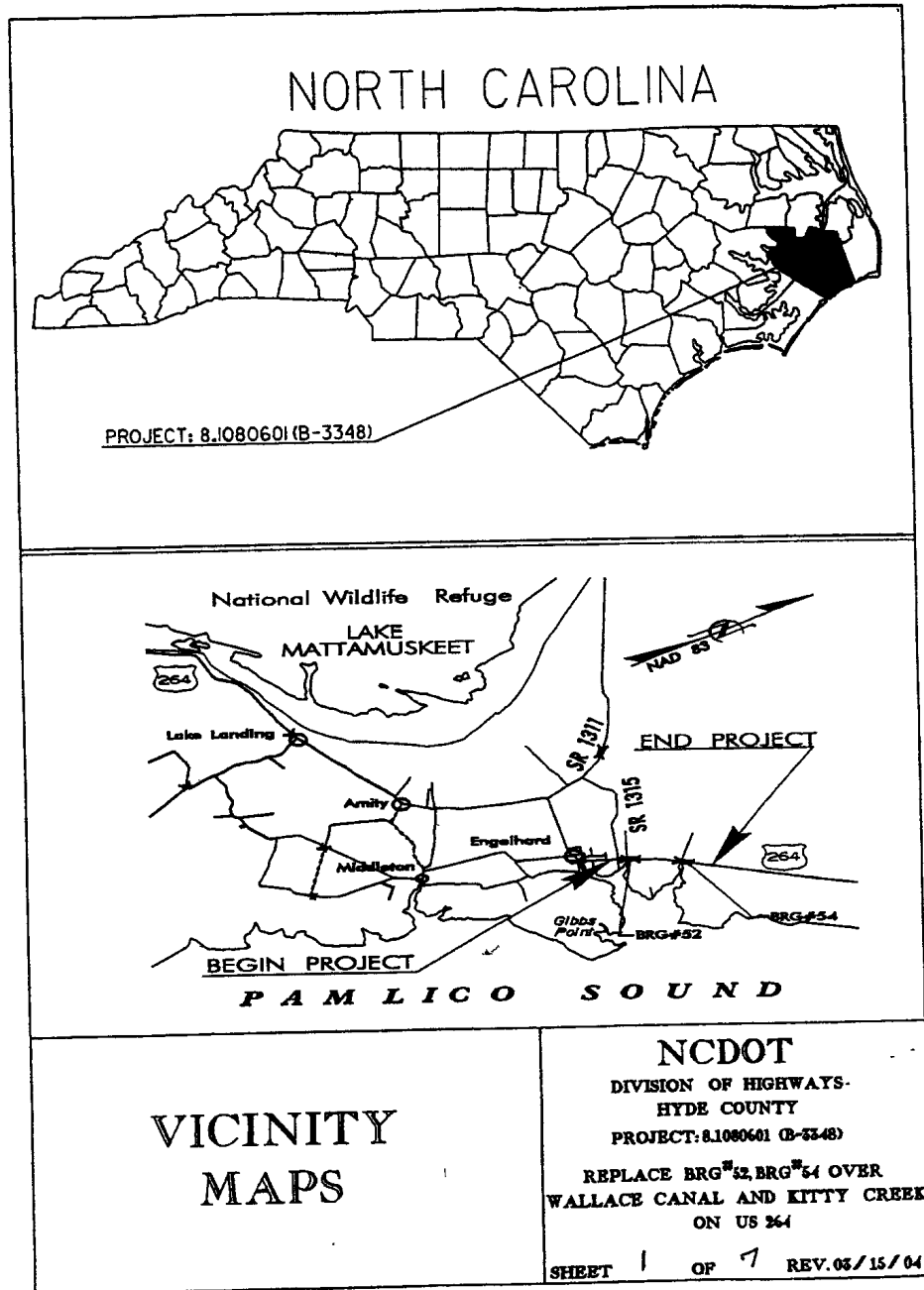


Figure 1. Site Location Map

**APPENDIX A**

**SITE PHOTOS**

# Kitty Creek & Wallace Canal



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5  
July 2008



Photo 6



# Kitty Creek & Wallace Canal



Photo 7



Photo 8